

PATENT ABSTRACTS OF JAPAN

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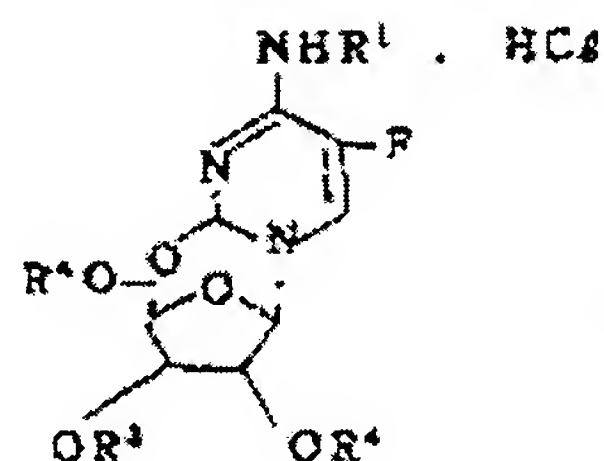
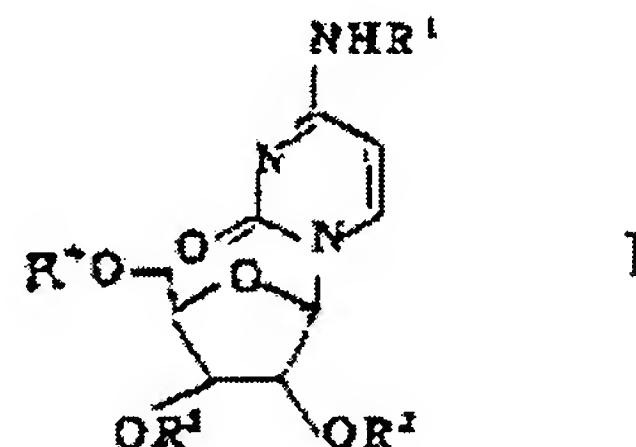
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(54) PRODUCTION OF 5-FLUOROCYTIDINE COMPOUND HYDROCHLORIDE

(57)Abstract:

PURPOSE: To produce the titled compound useful as an intermediate of carcinostatic agent, antiviral agent, etc., by reacting a cytidine compound with a fluorination agent in a mixed solvent containing hydrogen fluoride and a carboxylic acid, etc., removing the solvent, and reacting the reaction product with hydrogen chloride.

CONSTITUTION: The objective compound of formula II can be produced by reacting the cytidine compound of formula (R1WR4 are H or lower acyl) with a fluorination agent (e.g. F2, CF3OF, etc.) in a mixed solvent containing hydrogen fluoride and a carboxylic acid of formula R5OH (R5 is lower acyl, halogenated lower acyl, or halogenated lower alkyl) or a halogenated alcohol, removing the solvent, and reacting the residue with hydrogen chloride.



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